Amendment to the Claims:

This listing of claims will replace all prior versions, and listing, of claims in the application. Please amend the claims without prejudice or disclaimer to read as follows:

1. (Currently Amended) A communications network analysis system, comprising:

a computer having one or more software applications stored therein which provide a site-specific computerized model of one or more physical environments, said one or more software applications executing at least two of:

a) modeling electrical performance of a communications network having one or more components which are used in the communications network,

b) determining a cost of said communications network having said one or more components,

c) storing and editing maintenance records of said communications network having said one or more components,

d) providing analysis, measurement, or simulation of said communications network having said one or more components,

e) visualizing within said site-specific computerized model of said physical environment a configuration of said communications network having said one or more components ~~which are~~, and

f) verifying proper interconnections and identifying errors in interconnections in said communications network having said one or more components; and

an electronic storage configured to store a parts list library forming part of said one or more software applications, said parts list library comprising information pertaining to a plurality of components which are used in said communications network and at least some of said information including frequency characteristics of particular components of said plurality of components and at least some of said plurality of components being wireless communication components, ~~and~~

wherein said plurality of components are each represented by a standard mark up language in said parts list library; and

~~which is displayed on~~ a computer display configured to display the site-specific computerized model.

2. (Original) The communications network analysis system of claim 1 wherein said standard mark up language is XML.

3. (Previously Presented) The communications network analysis system of claim 1 wherein said information includes one or more of cost data, maintenance data, measured data, electromechanical data, manufacturer's data, physical connector data, and orientation data.

4. (Original) The communications network analysis system of claim 1 wherein said parts list library contains one or more component kits which include information for two or more components of the plurality of components when used in combination.

5. (Original) The communications network analysis system of claim 4 wherein said information for said two or more components includes electromechanical properties for each of said two or more components.

6. (Original) The communications network analysis system of claim 4 wherein said information for said two or more components includes electromechanical properties for a combination of said two or more components.

7. (Original) The communications network analysis system of claim 1 further comprising an editor for editing information for one or more components of said plurality of components in said parts list library.

8. (Original) The communications network analysis system of claim 7 wherein said editor is part of said one or more software applications.

9. (Original) The communications network analysis system of claim 1 wherein said parts list library is separate from said one or more software applications.

10. (Original) The communications network analysis system of claim 1 wherein said parts list library is accessible from a remote location by said one or more software applications.

11. (Currently Amended) The communications network analysis system of claim 1 ~~further comprising an electronic storage for storing information for one or more components of said plurality of components in said parts list library~~ wherein the frequency characteristics comprise electrical properties of the particular components at two or more distinct frequencies.

12. (Original) The communications network analysis system of claim 1 wherein said information in said parts list library includes one or more of manufacturer name, manufacturer part number, user supplied description, frequency range at which part has been tested, attenuation, amplification, number of connections, physical cost, installation cost, antenna radiation pattern, maximum input signal power, maximum length for cables, and modality of component type.

13. (Currently Amended) An electronic storage having computer-executable instructions stored thereon, wherein the computer-executable instructions comprise [[A machine readable electronic file for a computer comprising]]:

     a site-specific computerized model of one or more physical environments in which a communications network is deployed;

     one or more software applications which use [[a]] the site-specific computerized model of one or more physical environments, said one or more software applications providing at least one of:

     a) electrical performance models of a communications network having one or more components which are used in a communications network,

     b) a cost determination of said communications network or said one or more components which are used in said communications network,

     c) maintenance records storage of said communications network or said one or more components which are used in said communications network,

d) analysis, measurement, ~~or~~ and simulation of said communications network ~~or~~ and said one or more components which are used in said communications network,

e) a visualization of said site-specific computerized model of said physical environment a configuration of said communications network or said one or more components which are used in said communications network, and

f) interconnection verification in said communications network having said one or more components which are used in said communications network; ~~and~~

a parts list library forming part of said one or more software applications which is usable by said one or more software applications, said parts list library comprising information pertaining to a plurality of components which are used in said communications network and at least some of said information including frequency characteristics of particular components of said plurality of components and at least some of said plurality of components being wireless communication components, ~~and~~

wherein said plurality of components are each represented by a standard mark up language in said parts list library which for transfer between the computer and other computers,

said electronic file further comprising:

~~a site-specific computerized model of one or more physical environments in which a communications network is deployed; and~~

computerized representations for displaying on a computer display of one or more components obtained from said parts list library.

14. (Currently Amended) The <u>electronic storage</u> ~~machine readable electronic file~~ of claim 13 wherein said standard mark up language is XML.

15. (Currently Amended) The <u>electronic storage</u> ~~machine readable electronic file~~ of claim 13 wherein said information in said parts list library includes one or more of manufacturer name, manufacturer part number, user supplied description, frequency range at which part has been tested, attenuation, amplification, number of connections, physical cost, installation cost, antenna radiation pattern, maximum input signal power, maximum length for cables, and modality of component type.

16. (Currently Amended) The <u>electronic storage</u> ~~machine readable electronic file~~ of claim 13 wherein said information includes one or more of cost data, maintenance data, measured date, electromechanical data, manufacturer's data, physical connector data, and orientation data.

17. (Currently Amended) The <u>electronic storage</u> ~~machine readable electronic file~~ of claim 13 further comprising one or more component kits which include information for two or more components of the plurality of components when used in combination.

18. (Cancelled).

19. (Cancelled).

20. (Cancelled).

21. (Cancelled).

22. (Cancelled).

23. (Cancelled).

24. (Cancelled).

25. (Cancelled)

26. (Cancelled)

27. (Cancelled)

28. (Cancelled)

29. (Cancelled)

30. (Cancelled)

31. (Cancelled)

32. (Previously Presented) A method for performing communications network analysis, comprising the steps of:

using one or more software applications which provide a site-specific computerized model of one or more physical environments, to perform at least two of:

a) modeling electrical performance of a communications network or having one or more components which are used in a the communications network,

b) determining a cost of said communications network or having said one or more components,

c) storing or editing maintenance records of said communications network having said one or more components,

d) providing analysis, measurement, or simulation of said communications network having said one or more components,

e) visualizing within said site-specific computerized model of said physical environment a configuration of said communications network or having said one or more components, and

f) verifying proper interconnections or identifying errors in interconnections in said communications network having said one or more components; and

obtaining from a parts list library forming part of said one or more software applications, information pertaining to the plurality of components which are used in said communications network and at least some of said information including frequency characteristics of particular components of said plurality of components and at least some of said plurality of components being wireless communication components, and wherein said plurality of components are each represented by a standard mark up language in said parts list library.

33. (Original) The method of claim 32 wherein said standard mark up language is XML.

34. (Original) The method of claim 32 wherein said information includes one or more of cost data, maintenance data, measured data, electromechanical data, manufacturer's data, physical connector data, and orientation data.

35. (Original) The method of claim 32 wherein said parts list library contains one or more component kits which include information for two or more components of the plurality of components when used in combination.

36. (Original) The method of claim 32 wherein said information for said two or more components includes electromechanical properties for each of said two or more components.

37. (Original) The method of claim 36 wherein said information for said two or more components includes electromechanical properties for a combination of said two or more components.

38. (Original) The method of claim 32 further comprising the step of editing information for one or more components of said plurality of components in said parts list library.

39. (Original) The method of claim 32 wherein said parts list library is separate from said one or more software applications.

40. (Original) The method of claim 32 further comprising the step of accessing said parts list library from a remote location by said one or more software applications.

41. (Original) The method of claim 32 further comprising the step of storing information for one or more components of said plurality of components in said parts list library.

42. (Original) The method of claim 32 wherein said information in said parts list library includes one or more of manufacturer name, manufacturer part number, user supplied description, frequency range at which part has been tested, attenuation, amplification, number of connections, physical cost, installation cost, antenna radiation pattern, maximum input signal power, maximum length for cables, and modality of component type.

43. (Previously Presented) The method of claim 32 further comprising the step of generating an electronic file comprising:

a site-specific computerized model of one or more physical environments in which a communications network is deployed; and

computerized representations of one or more components obtained from said parts list library.

44. (Original) The method of claim 43 wherein said standard mark up language is XML.

45. (Original) The method of claim 43 further comprising the step of transferring all or a portion of said electronic file between at least two computers.

46. (Original) The method of claim 43 further comprising the step of transferring all or a portion of said electronic file between at least two software applications.

47. (Original) The method of claim 43 further comprising the step of storing said electronic file in an electronic storage device.

48. (Original) The method of claim 32 wherein said parts list library is stored on an electronic file which is transferable between one or more computers or one or more software applications, and further comprising the step of transferring all or a portion of said electronic file between one or more computers or one or more software applications.

49. (Previously Presented) A method of using a machine readable parts list library which comprises information pertaining to a plurality of components which are used in a communications network and at least some of said information including frequency characteristics of particular components of said plurality of components and at least some of said plurality of components being wireless communication components, and wherein said plurality of components are each represented by a standard mark up language in said parts list library, comprising the steps of:

provide information from said machine readable parts list library to one or more software applications which provide a site-specific computerized model of one or more physical environments; and

performing at least two of:

a) modeling electrical performance of a communications network or one or more components which are used in a communications network,

b) determining a cost of said communications network or said one or more components which are used in said communications network,

c) storing or editing maintenance records of said communications network or said one or more components which are used in said communications network,

d) providing analysis, measurement, or simulation of said communications network or said one or more components which are used in said communications network,

e) visualizing within said site-specific computerized model of said physical environment a configuration of said communications network or said one or more components which are or will be used in said communications network, and

f) verifying proper interconnections or identifying errors in interconnections in said communications network or said one or more components which are used in said communications network.

50. (Original) The method of claim 49 further comprising accessing from a remote location by said one or more software applications.

51. (Original) The method of claim 49 wherein said standard mark up language is XML.

52. (Original) The method of claim 49 wherein said information includes one or more of cost data, maintenance data, measured date, electromechanical data, manufacturer's data, physical connector data, and orientation data.

53. (Original) The method of claim 49 wherein said parts list library contains one or more component kits which include information for two or more components of the plurality of components when used in combination.

54. (Original) The method of claim 49 wherein said information in said parts list library includes one or more of manufacturer name, manufacturer part number, user supplied description, frequency range at which part has been tested, attenuation, amplification, number of connections, physical cost, installation cost, antenna radiation pattern, maximum input signal power, maximum length for cables, and modality of component type.

55. (Currently Amended) The method of claim 49 wherein said parts list library is stored on an electronic file ~~which~~, and further comprising the step of transferring all or a portion of said electronic file between one or more computers or one or more software applications.

56. (New) A method for analyzing a communications network having a plurality of components, the method comprising:

obtaining a site-specific computerized model of a physical environment associated with the communications network;

obtaining information pertaining to each of the plurality of components that are used in said communications network from a parts list library, wherein at least some of said information includes frequency-dependent characteristics of particular ones of the plurality of components;

modeling performance characteristics of the communications network based upon the information and the site-specific computerized model, wherein the

modeling comprises evaluating the particular components based upon the frequency-dependent characteristics obtained from the parts list library; and

displaying the performance characteristics on a computer display.

57. (New) The method of claim 56 wherein the information about each of the plurality of components is represented by a standard mark up language in said parts list library.

58. (New) The method of claim 56 further comprising generating a bill of materials in response to the modeling.

59 (New). The method of claim 56 wherein the modeling comprises modeling electrical performance of the communications network.

60 (New). The method of claim 56 wherein the modeling comprises determining a cost of said communications network.

61 (New). The method of claim 56 wherein the modeling comprises processing maintenance records of said communications network.

62 (New). The method of claim 56 wherein the modeling comprises providing measurement of said communications network.

63 (New). The method of claim 56 wherein the modeling comprises visualizing within said site-specific computerized model of said physical environment a configuration of said communications network.

64 (New). The method of claim 56 wherein the modeling comprises verifying proper interconnections between the components.

65 (New). The method of claim 56 wherein the modeling comprises identifying errors in interconnections in said communications network having said one or more components.

66 (New).   The method according to claim 56, wherein the displaying comprises displaying in real-time changes in the performance characteristics of the communications network on the display in response to a change in the operating frequency of the particular components.

67 (New).   The method according to claim 66, wherein the step of displaying in real-time comprises displaying changes in coverage.

68 (New).   The method according to claim 67, wherein the frequency dependent characteristic of the particular component is an operating frequency within one of a plurality of frequency bands.

69 (New).   The method according to claim 66, wherein the frequency dependent characteristic of the particular component is an operating frequency within one of a plurality of frequency bands.

70 (New).   The method according to claim 69, wherein the plurality of frequency bands correspond to a plurality of wireless standards.

71.   (New) A system for analyzing a communications network having a plurality of components, the system comprising:

an electronic storage configured to store a parts list library comprising information pertaining to each of the plurality of components, wherein at least some of said information includes frequency-dependent characteristics of particular components of said plurality of components;

a processor configured to model performance characteristics of the communications network based upon a site-specific model of a physical environment associated with the communications network and upon information obtained from the parts list library including the frequency-dependent characteristics for the particular components of the communications network; and

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a display in communication with the processor that is configured to display the performance characteristics.

72. (New)   The system of claim 71 wherein the information about each of the plurality of components is represented by a standard mark up language in said parts list library.

73. (New)   The system according to claim 71, wherein real-time changes in the performance characteristics of the communications network are displayed on the display in response to a change in operating frequency of a particular component.

74. (New)   The system according to claim 73, wherein the displaying in real-time displays changes in coverage.

75. (New)   The system according to claim 74, wherein the frequency dependent characteristic of a particular component is an operating frequency within one of a plurality of frequency bands.

76. (New)   The system according to claim 73, wherein the frequency dependent characteristic of a selected particular component is an operating frequency within one of a plurality of frequency bands.

77. (New)   The system according to claim 76, wherein the plurality of frequency bands correspond to a plurality of wireless standards.